

## CURRICULUM VITAE

**Jennifer A. (Kedzie) Raff**  
Department of Anthropology  
University of Kansas  
614 Fraser Hall  
1415 Jayhawk Blvd.  
Lawrence, KS 66045-7556

### **Education**

- 2008 Ph.D., Anthropology and Genetics (dual degree), Indiana University, Bloomington, IN.  
Dissertation: *An Ancient DNA Perspective on the Prehistory of the Lower Illinois Valley*
- 2008 M.A., Anthropology, Indiana University, Bloomington, IN.
- 2001 B.A., Biology and Anthropology (double major): Indiana University, Bloomington, IN.

### **Professional Positions**

- 2015-present Assistant Professor, Department of Anthropology, University of Kansas.  
Assistant Director, Laboratory of Biological Anthropology, University of Kansas
- 2013-2015 Research Fellow: Department of Anthropology, University of Texas at Austin
- 2011-2013 Postdoctoral Fellow: Division of Endocrinology, Metabolism, and Molecular Medicine, Feinberg School of Medicine, Northwestern University at Chicago
- 2008-2011 Postdoctoral Associate: Department of Anthropology, University of Utah at Salt Lake City
- 2002-2008 Graduate Researcher: Departments of Biology and Anthropology, Indiana University at Bloomington
- 2001-2002 Research Assistant: Department of Biology, Indiana University at Bloomington
- 1997-2001 Undergraduate Research Assistant: Department of Biology, Indiana University at Bloomington

### **Professional Affiliations**

American Association for the Advancement of Science  
American Association of Physical Anthropology  
American Society of Human Genetics  
Society for Molecular Biology and Evolution  
American Association of Anthropological Genetics

### **Professional Service Positions**

- 2018 Vice-President, American Association of Anthropological Genetics

## **PUBLICATIONS**

### **Journal Articles**

#### ***Major***

Bardill J, Bader AC, Garrison NA, Bolnick DA, **Raff JA**, Walker A, Malhi RS, and the SING Consortium. (2018). Advancing the Ethics of Paleogenomics: Shifting the Status Quo on Community Consultation. *Science*.

**Raff J.** (2017). Genetics: Ancient DNA clarifies population histories of the northeastern margin of North America. *Current Biology* 27, R1108-R1129.

Bolnick DA, **Raff JA**, Springs LC, Reynolds AW, Miro-Herrans AT. (2016). Native American genomics and population histories. *Annual Review of Anthropology* 45:319-340.

Tackney JC, Potter BA, **Raff JA**, Powers M, Watkins WS, Warner D, Reuther JD, Irish JD, O'Rourke DH. (2015). Two contemporaneous mitogenomes from Terminal Pleistocene burials in Eastern Beringia. *Proceedings of the National Academy of Sciences* 112 (45): 13833–13838, doi: 10.1073/pnas.1511903112

**Raff JA** and Bolnick DA. (2015). Does mitochondrial haplogroup X indicate ancient trans-Atlantic migration to the Americas? A critical re-evaluation. *PaleoAmerica*. 1(4): 297-304 (Open Access).

**Raff JA.** (2015). Anthropological genetics and social media outreach. *American Anthropologist* 117 (4): 744-749

**Raff JA**, Rzhetskaya M, Tackney J, Hayes MG. (2015). Mitochondrial diversity of Inupiat people from the Alaskan North Slope provides evidence for the origins of the Paleo- and Neo-Eskimo Peoples. *American Journal of Physical Anthropology* 157 (4): 603-614

Reynolds, A.W.\*, **Raff, J.A.\***, Cook, D.C., Kaestle, F.A., and Bolnick, D.A. 2015. Ancient DNA from the Schild site in Illinois: Implications for the Mississippian transition in the Lower Illinois River Valley. *American Journal of Physical Anthropology* 156 (3): 434-448 DOI: 10.1002/ajpa.22668

**\*Co-first authors**

Li, J., Quinque, D., Li, M., Horz, H., Rzhetskaya, M.R, **Raff, J.**, Hayes, M.G., and Stoneking, M. (2014). Comparative analysis of the human saliva microbiome from different climate zones: Alaska, Germany, and Africa. *PLOS Computational Biology*. doi:10.1186/s12866-014-0316-1

**Raff J.A.** and Bolnick D.A. (2014) Genetic roots of the first Americans. *Nature* 506:162-163.

**Raff, J.A.**, Bolnick, D.A., Tackney, J.C., and O'Rourke, D.H. (2011) Ancient DNA perspectives on American colonization and population history. *American Journal of Physical Anthropology*\* 146:503-514.

\*One of the five most accessed articles in the American Journal of Physical Anthropology in 2011.

**Raff, J.A.**, Tackney, J.C., and O'Rourke, D.H. (2010) South from Alaska: A pilot aDNA study of genetic history on the Alaskan Peninsula and Eastern Aleutians. *Human Biology* 82(5-6): 677-693.

O'Rourke, D.H., and **Raff, J.A.** (2010) The final frontier: Genetic perspectives on American colonization. *Current Biology* 20:R202-R207.

**Raff, J.A.**, Cook, D.C., and Kaestle, F.A. (2006) Tuberculosis in the New World: a study of ribs from the Schild Mississippian population, West-Central Illinois. *Memórias do Instituto Oswaldo Cruz*, 101(Suppl. II): 25-27. Rio de Janeiro.

Lee, S., Carlson, T., Christian, N., Lea, K., **Kedzie, J.**, Reilly, J.P., Bonner, J.J. (2000). The yeast heat shock transcription factor changes conformation in response to superoxide and temperature. *Molecular Biology of the Cell* 11:1753-1764.

### **Books and book proposals**

**Raff JA.** *This land is your land: A genetic history of the Western Hemisphere.* Book proposal completed March 2018. Literary Agent: Will Frances, Janklow & Nesbit, London.

**Raff, JA.** (2016). Handbook on Science Literacy. Kendall/Hunt Publishing Company. ISBN 9781524907358

### **Invited Book Chapters**

Tackney, J.C., Coltrain, J.B., **Raff JA**, and O'Rourke, D.H. (2016) Ancient DNA and stable isotopes: Windows on Arctic prehistory. In: Oxford Handbook of the Prehistoric Arctic, Max Friesen and Owen Mason, Editors. Oxford University Press.

Meier, R. J. and **Raff, J.A.** (2010) Genetics in Human Biology. In: Human Evolutionary Biology, Michael P. Muehinbein, Editor. Cambridge University Press.

Powell, M.L., Cook, D.C., Langley, M.M., Spencer, S.D., **Raff, J.A.**, and Kaestle, F.A. (2012) The 'African Queen', a Portuguese mystery. In: The Bioarchaeology of Individuals: Bioarchaeological Interpretations of the Past: Local, Regional, and Global,

Ann Lucy Stodder and Ann M. Palkovich, Editors. University Press of Florida.

### Book Reviews

**Raff, JA.** 2014. Review of Nicholas Wade's *A Troublesome Inheritance*. *Human Biology* Volume 86(3).

### Public scholarship

The Guardian

#### Key articles

- *Have we really found Amelia Earhart's bones?* March 16, 2018.
- *Rejecting the Solutrean hypothesis: the first peoples in the Americas were not from Europe.* February 21, 2018.
- *What the ancient DNA discovery tells us about Native American ancestry.* January 3, 2018.
- *No 'lost tribes' or aliens: what ancient DNA reveals about American prehistory.* November 15, 2017
- *The secret about human evolution found in spit.* September 5, 2017
- *If Mary Beard is right, what's happened to the DNA of Africans from Roman Britain?* August 9, 2017
- *Did human women contribute to Neanderthal genomes over 200,000 years ago?* July 18, 2017
- *Homo naledi genome: Will we ever find this elusive key to human evolution?* May 23, 2017
- *Food for thought: reconstructing the diet of Napoleon's Grand Army.* April 18, 2017
- *Ancient DNA reveals genetic legacy of pandemics in the Americas.* December 19, 2016

The London School of Economics and Political Science Impact Blog

- *How to read and understand a scientific paper: a guide for non-scientists.* May 9, 2016

Personal scientific literacy blog: [www.violentmetaphors.com](http://www.violentmetaphors.com)

Total views from April 2013 through March 28, 2018: **4,839, 621**

Total subscribers (March 28, 2018): **30,103**

#### Key articles:

- *Genetic mythologies: "Nephilim DNA" from the Paracas skulls.* September 20, 2016
- *Nicholas Wade and race: building a scientific façade.* May 21, 2014.

Cited by Nature News.

- *Dear parents, you are being lied to.* March 25, 2014. **10 million views** (on multiple English language websites); translated into French, Spanish, German, Chinese.
- *How to read and understand a scientific paper: A guide for non-scientists.* August 25, 2013. Cited as an important resource by the London School of Economics, American Library Association, Scientific American blog, BBC science and technology blog, and featured on Freshly Pressed and BoingBoing. Translated into French, German, Spanish, Portuguese, Russian, Israeli, and Danish. **Used by over 200 university programs worldwide.**
- *The truth about vaccinations: Your physician knows more than the University of Google.* August 14, 2013.
- *How to become good at peer review: A guide for young scientists.* December 13, 2013.
- *Problematic science journalism: Native American ancestry and the Solutrean hypothesis.* March 10, 2014.

Evolution Institute Social Evolution Forum.

#### Key Articles

- *How admixture with Neanderthals may have affected human populations.* November 3, 2015.
- *And then there were three: New Denisovan genomes tell us more about the evolution of Archaic hominins.* November 24, 2015
- *Why there still are monkeys: Lessons learned from teaching evolution in Kansas.* December 30, 2015

#### **Huffington Post**

##### Key Articles

- *Addressing a diversity problem in human genetics.* September 16, 2014.
- *How to read and understand a scientific article. A step-by-step guide for non-scientists.* June 18, 2014.
- *Nicholas Wade and race: building a scientific façade.* May 27, 2014.
- *Dear parents, you are being lied to.* April 8, 2014.

#### **Publications in review/in press**

*Major*

**Raff, JA.** Genetic origins of the earliest Americans. *Journal of Archaeological Research.* Accepted pending revisions, February 2018.

**Raff, JA.** Ancient DNA and Bioarchaeology. (Book Chapter). *In Press*.

*Minor*

**Raff JA.** Sewall Wright. Entry for Encyclopedia of Biological Anthropology. *In Press*.

**Raff JA.** Cloning. Entry for Encyclopedia of Biological Anthropology. *In Press*.

Raff JA. Mitochondrial DNA. Entry for the SAS Encyclopedia of Archaeological Sciences. *In Press*.

## **MANUSCRIPTS AND GRANTS SUBMITTED OR IN PREPARATION**

### ***Research Proposals***

*American Dispersals: The Genetic History of the Aleut People.* (\$480,034). Submitted to NSF, Biological Anthropology Program, March 2018.

### ***Manuscripts***

**Raff, JA.** Review of Carl Zimmer's *She Has Her Mothers Laugh*. *The New York Times Book Review*.

**Raff JA,** Mata-Miguez J, Turpin S, Bolnick DA. Ancient DNA analysis of the prehistoric inhabitants of the Lower Pecos Region of Texas and Northern Mexico.

**Raff JA,** Rzhetskaya M, Tackney J, Hayes MG. Y chromosome diversity in North Slope Inupiat populations.

## **GRANTS**

2016      *Testing alternative models of Native American migration history with ancient DNA* (\$4,900). KU Center for Migration Research Institute for Policy and Social Research 2016 Seed Grant Program.

2015      *Identifying Genomic Signatures of Evolutionary and Cultural Change in Native Americans* (\$285,845). National Science Foundation. Co-PI with Deborah Bolnick.

- 2014-2015 *Ancient DNA Analysis of the Prehistory of the Lower Pecos Region of Texas* (\$27,600 Direct Costs), Rock Art Foundation. Co-PI (PI: Deborah Bolnick).
- 2014-2015 *Uncovering the Genetic Legacy of Fuegiians and Patagonians through Modern and Ancient DNA Analyses* (\$10,000 Direct Costs). National Geographic Genographic Project. Sub-contract (PIs: Marta Durruty and Miguel Vilar).
- 2004, 2006 *The evolution of tuberculosis in prehistoric North America* (\$80,000), National Science Foundation IGERT Doctoral Fellowship.
- 2005 *The evolution of tuberculosis in prehistoric North America* (\$3,000), Skomp Research Feasibility Grant.
- 2004 *Prehistoric population movements and disease in ancient North America* (\$3,000), Skomp Research Feasibility Grant.
- 2002 Women in Science Program Graduate Fellowship (\$18,000).

### **FIELD EXPERIENCE**

- 2016** Aleut population genetic history project. Anchorage, AK. Collected DNA samples from participants in a new genetic study of Aleut populations.
- 2009, 2010** Nuvuk Archaeological Project, Pt. Barrow, Alaska. Anne Jensen, Principle Investigator. Assisted in burial excavation and physical anthropological study of the early Thule inhabitants.
- Genetics of the Alaska North Slope. M.G. Hayes, Principle Investigator: Assisted with recruitment and sample collection from study participants.
- 2000** Western Belize Regional Cave Project, Cayo District, Belize. Jaime Awe, Principle Investigator. Archaeological excavations of Classical Mayan sites (including Actun Tunichil Muknal).

### **HONORS AND AWARDS**

- 2016 Named one of “8 Awesome Anthropologists Advancing Public Outreach” by *Forbes* columnist, Dr. Kristina Kilgrove

**CONFERENCE PRESENTATIONS**

\*International conferences

- 2018      **Raff JA**, Reynolds AW, Turpin S, Rohland N, Reich D, Bolnick DA. Paleogenomic investigations of the ancient inhabitants of the Lower Pecos region of Texas and Northern Mexico. Society for Molecular Biology and Evolution Satellite meeting on Modern Methods for the Study of Ancient DNA. Providence, RI.
- 2017      **Raff JA**. Communicating early career research: The importance of outreach. Invited Poster in Symposium: Training the Next Generation of Biological Anthropologists. 86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, New Orleans LA.
- 2017      Smith RWA, **Raff JA**. Little Green Men, Huge Angry People, and Across the Water Visits: Very Wrong Things People Say about Old Times in the New World. Invited Podium Symposium. Up Goer Five PhysAnth Edition: Communicate Your Science Using English's Ten Hundred Most Common Words. 86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, New Orleans LA.
- 2016      **Raff JA**, Mata-Miguez J, Ku, CR, Bolnick DA. Ancient DNA analysis of the prehistoric inhabitants of the Lower Pecos Region of Texas and Northern Mexico. 85<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Atlanta GA. April 16.
- 2015      Bolnick D and **Raff JA**. Imposing Colonial Modernity on the Past: Narratives of Identity and Race in Ancient DNA Research. Invited paper In Executive Session "Identity, Belonging, and the Biopolitics of DNA in Colonial Modernity". American Anthropological Association Annual meeting. November 18-22, 2015.
- 2015      **Raff JA**, Miro-Herrans A, Jensen A, Rzhetskaya M, Armstrong L, Hayes MG, Bolnick D. Reconstructing the effects of European contact on North Slope Iñupiat Populations through genetic, archaeological, and ethnohistoric research. Invited Poster Symposium: Thinking anthropologically about genetics. Chair: Bridget FB. Algee-Hewitt Co-Organizer: Amy Goldberg. 84<sup>th</sup> annual meeting of the American Association of Physical Anthropologists, St. Louis, Missouri. March 25-28<sup>th</sup>.
- 2015      Hayes, M., Tackney, J, **Raff, J**, O'Rourke D.H. Current developments in anthropological genetics of the North American Arctic. Multi-generational perspectives on human biology and anthropological genetics: A



- Symposium in honor of Michael H. Crawford. Invited HBA-AAPA Poster Symposium. Chair: William R. Leonard. 84<sup>th</sup> annual meeting of the American Association of Physical Anthropologists, St. Louis, Missouri. March 25-28<sup>th</sup>.
- 2015 Panalist, AAPA/AAAG Education workshop on communication and outreach issues in anthropology. 84<sup>th</sup> annual meeting of the American Association of Physical Anthropologists, St. Louis, Missouri. March 25-28<sup>th</sup>.
- 2014 **Raff, J.A.**, and Bolnick, D. Ancient DNA analysis of the prehistoric inhabitants of the Lower Pecos region of Texas. Texas Archaeological Society Annual Meeting, October 2014.
- \*2014 **Raff, J.A.**, Rzhetskaya, M.R, and Hayes, M.G. Understanding the colonization of the North American Arctic: Phylogenetic analysis of Y chromosome lineages from Iñupiat populations of the Alaskan North Slope. 83<sup>rd</sup> annual meeting of the American Association of Physical Anthropologists. Calgary, Alberta, Canada. April 9-12, 2014.
- 2013 **Raff, J.A.**, Rzhetskaya, M.R., and Hayes, M.G. Proposed revisions to human mitochondrial haplogroup phylogenies A2 and D4 based on whole mitochondrial genome sequencing of Alaskan Iñupiat populations. Poster presented at the Society for Molecular Biology and Evolution Annual Meeting, Chicago, IL. July 9-11.
- 2013 Torosin N.S., **Raff, J.A.**, and Hayes, M.G. A genetic test for the effect of the Toba volcanic eruption on worldwide population sizes in animal species. Poster presented at the Society for Molecular Biology and Evolution Annual Meeting, Chicago, IL. July 9-11.
- 2013 **Raff, J.A.**, Rzhetskaya, M.R., and Hayes, M.G. Understanding the colonization of the North American Arctic: The results of whole mitochondrial genome sequencing of Iñupiat populations of the Alaskan North Slope. Paper presented at 82<sup>nd</sup> Annual Meeting of the American Association of Physical Anthropologists. Knoxville, TN. April 9-13.
- 2013 **Raff, J.A.**, Rzhetskaya, M.R., and Hayes, M.G. Patterns of genetic diversity and shared mitochondrial and Y-chromosome lineages among Iñupiat communities of the Alaskan North Slope. Paper presented at the annual meeting of the Alaska Anthropological Association. Anchorage, AK. March 13-16.
- 2012 **Raff, J.A.**, Tackney, J.C., Rzhetskaya, M.R., and Hayes, M.G. Analysis of whole mitochondrial genomes from Inupiat populations of the Alaskan

- North Slope. Poster presented at the 62<sup>nd</sup> annual meeting of the American Society of Human Genetics. San Francisco, CA. November 6-10.
- 2012 **Raff, J.A.**, Rzhetskaya, M.R., Tackney, J.C., O'Rourke, D.H., and Hayes, M.G. Mitochondrial and Y-chromosome diversity in Inupiat populations of the Alaskan North Slope: Implications for North American Arctic prehistory. Paper presented at the 18<sup>th</sup> Inuit Studies Conference. Washington, D.C. October 24-28.
- 2012 **Raff, J.A.**, Rzhetskaya, M.R., and Hayes, M.G. Y Chromosome diversity in Inupiat populations of the Alaskan North Slope. Paper presented at the 81<sup>st</sup> Annual Meeting of the American Association of Physical Anthropologists. Portland, OR. April 12-14.
- 2012 Tackney, J.C., **Raff, J.A.**, Rzhetskaya M.R., Jensen, A.M., O'Rourke, D.H., and Hayes, M.G. Ancient and modern genetic diversity of Inupiat populations from the Alaskan North Slope. Paper presented at the invited symposium: Innovation, Challenges and New Directions in Genetic Research with Indigenous Populations. 81<sup>st</sup> Annual Meeting of the American Association of Physical Anthropologists. Portland, OR. April 12-14.
- 2012 **Raff, J.A.**, Rzhetskaya, M.R., Tackney, J.C., O'Rourke, D. H., and Hayes, M. G. Human migrations in the Arctic: Mitochondrial DNA evidence for the origins of the Paleo- and Neo- Eskimo peoples. 39<sup>th</sup> Annual Conference of the Alaskan Anthropological Association. Seattle, WA. February 29-March 3.
- \*2011 Tackney, J.C., **Raff, J.A.**, Rzhetskaya, M.R., Hayes, M.G., and O'Rourke, D.H. Ancient and modern genetic diversity of Inupiat populations from the Alaskan North Slope: Insights into Paleo- and Neo-Eskimo origins. Paper presented at the International Conference Comparing Ancient and Modern DNA Variability in Human Populations. Portugal. November 23-25.
- \*2011 **Raff, J.A.**, Rzhetskaya, M.R., Armstrong, L., and Hayes, M.G. Increased genetic diversity observed among Inupiat populations from the Alaskan North Slope. Poster presented at the 12<sup>th</sup> International Congress of Human Genetics. Montreal, Canada. October 11-15.
- \*2011 Tackney, J.C., **Raff, J.A.**, Coltrain, J.B., Jensen, A.M., and O'Rourke, D.H. Molecular analysis of an ancient Thule population at Point Barrow, Alaska. Poster presented at the 12<sup>th</sup> International Congress of Human Genetics. Montreal, Canada. October 11-15.
- 2011 **Raff, J.A.**, Tackney, J. C., and O'Rourke, D.H. South from Alaska: An aDNA study of the genetic history of the Alaska Peninsula and Eastern

- Aleutians. Paper presented at the 80<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. Minneapolis, MN, April 12-16.
- 2011 Millward, G., Harrison, J., **Raff, J.**, Kaestle, F., and Cook, D.C. Measuring the genetic effect of the Mississippian transition in the Lower Illinois River Valley: An ancient DNA analysis. Paper presented at the 80<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. Minneapolis, MN, April 12-16.
- 2010 O'Rourke, D.H., Tackney J.C., and **Raff, J.A.** Ancient DNA insights into American colonization. Paper presented at the Wiley-Blackwell Symposium at the 79<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. Albuquerque, NM. April 14-17.
- 2010 **Raff, J.A.**, Tackney, J.C., and O'Rourke, D.H. South from Alaska: An aDNA study of genetic history on the Alaska Peninsula and Eastern Aleutians. Paper presented at the 18<sup>th</sup> annual Arctic Conference. Bryn Mawr, PA. November 12-13.
- 2009 **Raff, J.A.**, Marchani, E., and O'Rourke, D.H. mtDNA sequences in prehistoric populations of the Alaska Peninsula: Mink Island and Port Moller. Paper presented at the 17<sup>th</sup> annual Arctic Conference. Boulder, CO. November 13-14.
- 2008 **Raff, J.A.**, Cook, D.C., Alt, S., and Kaestle, F.A. Gene flow and the Mississippian emergence in the Lower Illinois Valley. Paper presented at the 37<sup>th</sup> annual Midwestern Archaeology Conference, Milwaukee WI. October 16-19.
- 2008 **Raff, JA**, Kaestle, F.A., and Cook, D.C. Mortuary practices and communicable disease risk: Implications for tuberculosis transmission in pre-Columbian North America. Paper presented at the 35<sup>th</sup> annual meeting of the Paleopathology Association. Columbus, OH. April 8-9.
- \*2008 Kaestle, F.A., **Raff J.A.**, and Millward, G. Kinship in the archaeological record: Ancient DNA insights. Paper presented at the 73<sup>rd</sup> annual Society for American Archaeology Meetings. Vancouver, BC, Canada. March 26-30.
- \*2007 Powell, M.L., Cook, D.C., Langley, M.M., **Raff, J.A.**, and Kaestle, F.A.. The 'African Queen', a Portuguese mystery. Paper presented at the 2<sup>nd</sup> annual Paleopathology Association South American Meetings. Santiago, Chile. November 14-16.
- 2007 Cook, D.C., **Raff, J.A.**, Kaestle, F.A., and Garniewicz, R. Rearticulated

- burials from Pete Klunk Mound 1: A Middle Woodland representation of the honored dead. Paper presented at the 36<sup>th</sup> annual Midwest Archaeology Conference, Notre Dame, IN. October 4-6.
- 2006 **Raff, J.A.**, Cook, D.C., and Kaestle, F.A. The Madonna and Child Trope: Mortuary practices in Illinois. Paper presented at the 35<sup>th</sup> annual Midwest Archaeological Conference, Urbana, IL. October 12-15.
- 2006 **Raff, J.A.**, Cook, D.C., Bolnick, D.A., and Kaestle, F.A. The Evolution of tuberculosis in prehistoric North America. Poster presented at the IU & Univ. of Oregon NSF IGERT Minisymposium: Origin of Novel Features. Bloomington, IN. October 6-8.
- 2006 Kaestle, F.A., **Raff, J.A.**, Giesting, K., and Cook, D.C. TB in pre-contact North America: Who had it and what was it? Paper presented at the 75<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Anchorage, AL. March 5-12.
- 2005 **Raff, J.A.** Fenn, M., Cook, D.C., and Kaestle, F.A. Ancient DNA investigations of Woodland and Mississippian populations in the Lower Illinois Valley. Paper presented at the 104<sup>th</sup> Annual Meeting of the American Anthropological Association, Washington D.C. November 30 - December 4.
- 2005 **Raff, J.A.**, Cook, D.C., and Kaestle, F.A. Strain analysis and prevalence of tuberculosis in ancient North America; Evidence from the Schild Mississippian cemetery. Paper presented at the 74<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Milwaukee, WI. April 7-9.
- \*2005 Kaestle, F.A., **Raff, J.A.**, and Cook, D.C. Ancient DNA analysis of pre-contact TB. Paper presented at the 1<sup>st</sup> Paleopathology Association Meetings in South America, Rio de Janeiro, Brazil. July 27-29.
- 2005 **Raff, J.A.**, Chang, S., Kaestle, F.A., and Cook, D.C. The relationship between rib periosteal lesions and tuberculosis complex infection. Poster presented at the 32<sup>nd</sup> Annual Meeting of the Paleopathology Association, Milwaukee, WI. April 4-6.

### **INVITED LECTURES**

- 2017 “Vaccines and society” Presentation to Kansas Health Institute, Topeka KS.
- 2017 NPR Science Friday Live. September 10. Wichita KS.

- 2016 “The increasing complexity of the final frontier: What genetics tells us about the initial peopling of the Americas.” September 6. Evolution, Ecology and Behavior seminar, Lawrence KS.
- 2016 “The history of genetics.” NASA ISS Science Friday presentation. March 25. Houston, TX.
- 2016 “A lot of smoke, but no fire: A history of the antivaccine movement.” KU Biodiversity Institute and Natural History Museum Science on Tap presentation. Feb 16. Lawrence, KS.
- 2015 “A genetic perspective on the prehistory of the Americas.” University of Missouri, Columbus.
- 2014 “What we currently know (and don’t know) from genetic data about the peopling of the Americas and North American Arctic.” Department of Anthropology, University of Texas at Austin.
- 2014 “Ancient DNA research methods and ethics”. Summer Internship for Native Americans in Genomics, University of Texas at Austin.
- 2014 “Ancient molecules and migrations: Understanding the origins of the earliest Americans.” The Summer Science Program, New Mexico Institute of Technology.
- 2013 “Anthropological genetic investigations into the final frontier: Human colonization of the North American Arctic.” Department of Anthropology, University of Alaska, Fairbanks.
- 2013 “The peopling of the Americas.” Department of Anthropology, University of Alaska, Fairbanks.
- 2012 “Blending genomics and anthropology to understand human prehistory.” Scholarship and Discovery Conversation Series. Sponsored by the School of Health Professions, Mizzou Advantage, and the College of Arts and Sciences, University of Missouri, Columbia.
- 2011 “Women in prehistoric North America.” Women in Science Day Featured Lecture. Sponsored by the Department of Anthropology, Indiana University South Bend.

### **Conferences and sessions organized/chaired**

- 2018 Session Chair, SMBE Satellite meeting on Modern Methods for the Study

- of Ancient DNA. Providence, RI.
- 2014 Organizing committee, Summer Internship for Native Americans in Genomics. University of Texas at Austin.
- 2014 Co-organizer with Michael O'Brien (University of Missouri) and Dennis O'Rourke (University of Utah), American Colonization and Dispersal: Disciplinary Perspectives and Challenges. Conference sponsored by Mizzou Advantage, University of Missouri.
- 2011 Session Chair, Anthropological Genetics of the Americas. 80<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. Minneapolis, Minnesota.
- 2009 Co-organizer and Session Chair, Current Frontiers in Evolution, Development, and Genomics. Indiana University & University of Oregon NSF-IGERT Symposium. Bloomington, Indiana.

## **COURSES TAUGHT**

### Undergraduate

Controversies on the Living and the Dead  
 Laboratory/Field Work in Human Biology  
 Fundamentals of Physical Anthropology.  
 Information Literacy for Biologists  
 Molecular Biology  
 Genetics  
 Cell biology

### Graduate

Critical Analysis of Scientific Literature  
 Laboratory Methods in Physical Anthropology  
 Grant Writing

- 2014, 2016 Faculty, Summer Internship for Indigenous Peoples in Genomics (SING)

## **COMMITTEE ASSIGNMENTS**

### **University of Kansas**

- 2015, 2016 Undergraduate committee  
 Website and Social media committee (co-chair)  
 Learning outcomes committee (chair)

## **STUDENT COMMITTEES**

Chair

<b>Student</b>	<b>Degree</b>	<b>Year</b>
Sarah Alden	Ph.D.	Current
Lydia Sykora	M.A.	Current

Member

<b>Student</b>	<b>Degree</b>	<b>Year</b>
Jessica Dow	M.A.	Current
Christopher Barrett	Ph.D.	Current
Caroline Kisielinski	Ph.D.	Current
Michael Guarino	Ph.D.	Current
Randy David	Ph.D.	Current
Melody Ratliff Wood	Ph.D.	Current
Anna Wieser	Ph.D.	Current
Pietro De Mello	Ph.D.	Current
Sara Alden	M.A.	2015-2017
Kristine Beaty	Ph.D.	2015-2017
Delisa Phillips	Ph.D.	2015-2017
Amanda Kittoe	Ph.D.	2015-2017

**MEDIA COVERAGE****Appearances on documentaries, radio, and podcasts**

February 15, 2018 BBC Radio 4 “In the Wake of Wakefield”

January 14, 2018 “The Nature of Things with David Suzuki”. Episode: Ice Bridge.

September 2, 2017 Tides of History Podcast

January 14, 2017 Prism Podcast

August 15, 2016 Archaeological Fantasies podcast

February 29, 2016 Archaeological Fantasies podcast

February 13, 2014 BBC World Service

October 17, 2014 Science for the People podcast.

**Appearances in news articles**

The Atlantic (1/3/18), The Atlantic (4/27/17), Christian Science Monitor (4/2/16), Washington Post (2/16/16), Science News (11/15/16), Phys.org (1/15/16), Nature (11/15/16), Forbes (5/13/15), Nature News (6/18/15), New York Times (6/18/15), Huffington Post (6/22/15), Nature News (7/21/15), Science 7/21/15, Science News (7/21/15), Boston Globe (7/21/15), National Geographic (8/28/14), Medical News Today (8/22/14), IFLS (6/24/14), Aftenposten (6/5/14), Stern (6/4/14) Science News (5/16/14), Reuters (2/12/14), PeerJ (1/14/14), Nature News (11/2013), LiveScience.com (11/20/13), Los Angeles Times (7/5/2013), LiveScience.com (7/3/2013), Science news (9/23/2011) Mammoth Trumpet (10/2010).

**REFEREE FOR JOURNALS**

*Nature, PNAS, PaleoAmerica, American Journal of Physical Anthropology, American Journal of Human Biology, BMC Evolutionary Biology, Cellular and Molecular Life Sciences.*